8/16/2018

| Supplier Name | Acier Ouellette Inc. | Acier Ouellette Inc. | Acier Ouellette Inc. | Acier Ouellette Inc. | Acier Ouellette Inc. |
|--|---|--|--|---|--|
| Total | \$799.31 | \$63.16 | \$167.04 | \$222.56 | \$595.44 |
| ing Past iys Due | 13 | 5. | 13 | σ | 6 |
| Price/Unit Days | \$ 11.93 / ft | \$1.19/R | \$ 13.92 / ft | \$ 37.09 / ft | \$ 49.62 / ft |
| eceive Date | 8/3/2018 \$ 11 | 8/3/2018 \$ 1. | 8/3/2018 \$ 13 | 8/10/2018 \$ 37 | 8/3/2018 \$ 49 |
| Status | Stock 8/ | Stock 8/ | Stock 8/1 | Stock | Stock |
| Container No | S099810 | S099811 | S099812 | S101443 | 5099813 |
| Received Accounting Container Status Receive | | | | | |
| Received A | 67 | | 27 | 9 | 22 |
| Date | 8/8/2018 | | | 8/10/2018 | 12 8/8/2018 |
| Order | 09 | 48 | 5 | φ | 22 |
| Project Equipment Order | | | | | |
| Project 1 | | | | | |
| Part | | | | | |
| Description | 316 Round Bar 1.00: MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft | 304 Round Bar 0.375: MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft | 6061-T6 Bar 1.50 X 2.50: MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-4-225/8 OR AMS-QQ- A-225/8 OR AMS-QQ- 4117/4128/4115/4116 OR QQ-4-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B221 receive ft ASTM B221 receive ft | 6061T6 Bar 1.250 X 5.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-4-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-4-200/8 OR AMS-QQ- A-200/8 OR AMS-4160 OR ASTM B211 OR ASTM B221 receive ft | M6061T6B2.000X04.500 6061T6 Bar 2.00 X 4.500 : |
| Purchased Item | M316R1.000 | M304R0.375 | M6061T6B1,500X2,500 | M606176S1.250X5.000 | M6061T6B2.000X04.500 |
| Terms | 1 Net 30 | | | | |
| Rel | | | | | |
| r Item Rel | | 6 | 4 | r. | (O |
| Supplier Item No | P0040613 ACI001-VC | | | | |
| PO No | P0040613 | | | | |

https://www.plexonline.com/D5FFC303-A339-450E-B056-2E70B4BE1E6C/Plexus_Control/Report_Viewer_2.asp?Opener_Session_Key={D5FFC303-A339-450E-B056-2E70B4BE1E6C}&Session_Key=... 2/2

| Supplier Name | Acier Ouellette Inc. | Acier Ouellette Inc. | Acier Ouellette Inc. | |
|---|--|--|---|------------|
| Total | \$37.87 Acier Ouell Inc. | \$186.33 Acier Ouell Inc. | \$104.43 Acier Ouell Inc. | \$1,657.38 |
| Past | | | | |
| Aging Days | 13 | 6 | 13 | |
| Price/Unit | \$ 2.99 / n | \$5.14/ft | \$8.70/# | |
| Receive Date | Stock 8/3/2018 | Stock 8/3/2018 | 8/3/2018 | |
| Status | Stock | Stock | Stock | |
| Container No | S099814 | S099815 | \$099816 | |
| Received Accounting Container Status Receive Price/Unit Aging Past Quantity Job No No Date Date Date Days Due | | | | |
| Received / | 13 | 36 | 12 | 211 |
| Due Date | | | | |
| Order | | 36 | 12 | 198 |
| Project Equipment Order | | | | Total: |
| roject | | | | |
| For Part F No | | | | |
| Description | 1010-1025 Steel Bar.375 X 2.500: MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft | 303 Round Bar 0.750: MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft | 303 Round Bar 1.00: MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft | |
| PO No Supplier Item No Terms Purchased Item | M1018B0.375x2.500 | M303R0,750 | M303R1.000 | |
| Terms | | | | |
| Rel No | N | 00 | o o | |
| ier Ite | | | | |
| Suppl | | | | |
| PO No | | | or of the second | |

Print

8/16/2018

Plex 8/16/2018 9:18 AM dart. Tollis. Andrew



Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242 ACIER ÖUELLETTE INC. 935, Boul. du Hâvre Salaberry de Valleyfield (Québec) J6S 5L1

DELIVERY - CLIENT

Copy

CO0010222

OUELLETTE VALLEYFIELD 2018/08/03 Eric Kaehlert Net 30 Days CLI0001056 2018/07/27 040613 Your order No Delivery date Processed by **Credit Terme** Customer N° Salesman Carrier Date Att: CHANTAL LAVOIE Tél.: 613-632-5200 DART AEROSPACE LTD **Delivery Route** Shipped to , Ontario, 1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7 Z. DART AEROSPACE LTD Instruction Billed to

| | Moinh | 740 | PCS NB | | Internal Use Only | ٨ |
|--|--------|----------------|-----------|--------|-------------------|-----|
| Product Description | Weignt | לנא מש | CMD EXP B | B/O IN | J S I | TUO |
| 1 ROUND SS 1 316 (R) | 160.20 | 60.00 PI_\$CLB | | | | |
| ** CERTIF | | | | | | |
| HT#CH-7367 NY | | | X 0 . | | | |
| LINE#1 | | | TO X | | | |
| AC18475-MM-2018-07-30 | | | 12/3/ | 1 | | |
| 2 ROUND SS 3/8 304 (R) | 18.05 | 48.00 PI_\$CLB | 1 | | | |
| VL ** CERTIF | | | 130 | | | |
| HT# 1711164 \M | | | * | | | |
| LINE# 3 | | | | | | |
| 3 FLAT ALU 1 1/2 X 2 1/2 6061-T6 * | 52.87 | 12.00 PI_\$CLB | 1 | - | | |
| FAL-112212 2439 1 X 12' ** <i>CERTIFICATE</i> ** | | | C | | | |
| HT#(386350) M | | | SX SX | | | |
| LINE# 4 | | | | | | |
| 4 ALU PLATE 1 1/4 6061-T651 RANDOM PAL-1146061-V 7453 | 53.88 | 3.00 PI2_\$CLB | | | | |



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| e | | | | | Copy | | | | 8 | CO0010222 |
|--|--------|--------|----------|-----|---------|--|-------------------|---------|------|--|
| | | | | | PCS NB | | Internal Use Only | I Use C | Only | |
| Product Description | άú | Weight | E O | CMD | EXP B/O | NI | I | S | | OUT |
| SAW CUT 1 PC 5" X 72" ** CFRTTEICATE ** | | 1.00 | NO | | J.C. | (| | | | |
| - Comment | w | | | | なべか | | - | | | |
| HT#(\$37116567) | | | ł | | 2 | 08/10 err | 2 | | | |
| LINE #5 | | | | | 1 | | | | | |
| TRANSIT ST-JEROME 01-08 | | | | | \ | | | | | |
| 5 FLAT ALU 2 X 4 1/2 6061-T6 RANDOM NS | 126.96 | 12.00 | PI_\$CLB | | (| a to the control of t | | | | A Company of the Comp |
| FAL-2412-V 8448 1 x 12' ** CEDTIFICATE ** | | | | | | | | | | |
| 1 A 12 CENTIFICATE | 10-2 | | | | (0)4 | | | | | |
| HT#(05071802) AT HT #(05131801) | | | | | 1 | | | | | |
| LINE# 6 | | | | 1 | | | | | | |
| AC18477-TH-2018-07-30 | | | | | | | | | | |
| /8 X 2 1/2 | 38.26 | 12.00 | PI_\$CLB | | 1 | | | | | |
| FCR-38212 2898 1 V 12' D/I ** CEDITETATE ** | | | | | # | | | | | |
| | | | | | ったい | | | | | |
| HT# 152915) AT | | | | | 0 | | | | | |
| LINE# 7 | | | | | | | , | | | |
| 3/4 X 3/4 | 14.64 | 24.00 | PI_\$CLB | | | | | | | |
| T-3434065 6057 | 1 | | | | 011 | 7 | | | | |
| HEAT: 6145C4 | | | | | (| | | | | |
| 4 303 (R) | 54.07 | 36.00 | PI_\$CLB | | | | | | | |
| RSS-34303 5761 3 X 12' R/L ** CERTIFICATE ** | | | | | 0 | | | | | |
| | | | | 1 | 77 | | | | | |
| W 55005 # 14 | | | | , | 1 | | | | | |
| LINE# 8 | | | | 7 | | | | _ | | |
| | | | | | | | | | | |



DELIVERY - CLIENT

| | | | Copy | | CO00102220 |
|--|--|--|---|-------------------|------------|
| | - | | PCS NB | Internal Use Only | se Only |
| Product Description | ענא | Weight | CMD EXP B/O | S I NI | C OUT |
| 9 ROUND SS 1 303 (R) RSS-1303 8519 1 X 12' R/L ** CERTIFICATE ** HT# (\$20M M) | 32.04 | 12.00 PI_\$CLB | - 10 IX | | |
| LINE# 9 | | | \ | | |
| . aucitification | Total Weight (Lbs): |): 550.97 | NIR: R-109516-6 | | |
| Additionable of the buyer's expense. The warranty offered by "Acier Oueliette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Oueliette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge. | s made in full, complete and cr anty is transferred by "Acier C tion charges of 2% per month his choice to claim for the bala r, cut or modified cannot be re , | and cashed. All lost materials are at the buyer's expense. The warranty offered by cler Ouellette Inc." to the client. The buyer hereby accepts to respect the nonth (24% per annum) on all past due amounts over 30 days. Any default in e balance due or the repossession of the goods sold. All claims must be made be returned. All goods returned must be with our authorization and are subject to | pense. The warranty offered by accepts to respect the over 30 days. Any default in id. All claims must be made authorization and are subject to | | |
| | | | | | |
| Prepared By: Delivered By: Time | | | W - | | |
| | Custo | Customer's Signature | Date | | |
| <u>ز</u> | | | | | |



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON **K6A 1K7** Canada

PURCHASE ORDER PO040613

Tel (613) 632-5200

Supplier: ACI001-VC

Acier Ouellette Inc. 935 Boul. Du Havre Valleyfield

QC

J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696

PO No:

PO040613

PO Date:

7/26/18

Due Date: Purchase Order

Revision:

8/3/18

Revision Date: Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200

Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: quotation no. sou0122727 and sou0122536

| Line Item | Job | Part | Supplier Part No | Description | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|--------------|-----|---------------------|---------------------|---|--------|---------|-------------|-------------------|----------------------|---------|----------------------------|-------------------------|
| 1 | | M316R1.000 | | 316 Round Bar 1.00 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft | Firmed | | 8/3/18 | 60 ft | 67ft | 60 ft | \$11.93/ R | |
| 2 | | M4130NT0.500W.083 | | 4130 Round Tube .500 X .083W : MATERIAL: AISI 4130N STEEL TUBING AS PER MIL-T-6736 OR AMS 6371/6360/6361/6362 6373/6374 receive ft | Firmed | | 8/3/18 | 80 ft | 0 ft | 80 ft | \$15.95/ft | \$1,276.00 |
| 3 / | | M304R0.375 | | 304 Round Bar 0.375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft | Firmed | - | 8/3/18 | 48 ft | 53ft | 48 ft | \$1.191666/ft AUG 0 3 2 | |
| 4 | | M6061T6B1.500X2.500 | | 6061-T6 Bar 1.50 X 2.50 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS- 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft | Firmed | - | 8/3/18 | 12 ft | Off (Lft | 12 ft | \$13.92/n | \$167.04 2018 |
| 5 | 7 | M6061T6B1,250X5,000 | | 6061T6 Bar 1.250 X 5.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft | Firmed | - | 8/3/18 | 6 ft | on bif | | \$37.09333/ft 8/08/10 | \$222.56 |

| | | | | Item | S | | | | | | | |
|--------------|-------|----------------------|---------------------|---|--------|---------|-------------|----------------|----------------------|---------|--------------------------------|-------------------|
| Line Item | Job | Part | Supplier Part No | Description | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
| 6 | | M6061T6B2.000X04.500 | | 6061T6 Bar 2.00 X 4.500 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS- 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft | Firmed | | 8/3/18 | 12 ft | 17 H | 12 ft | \$49.62/ft AUG 0 3 | |
| e Item Note | non r | returnable | | | | | | | | | | |
| 7 | | M1018B0.375x2.500 | | 1010-1025 Steel Bar .375 X 2.500 : MATERIAL: AISI 1010- 1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft | Firmed | - | 8/3/18 | 12 ft | 0 n [1.666] | + | \$2.99/h AUG 0 3 2 | |
| 8 / | | M303R0,750 | | 303 Round Bar 0.750 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft | Firmed | - | 8/3/18 | 36 ft | 3625St | | \$5.14/ft JG 0 3 201 | |
| 9 | | M303R1.000 | | 303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft | Firmed | - | 8/3/18 | 12 ft | 0 ft | | \$8.7025/h | |

Order Notes

Procurement Quality Clauses

A005 right of entry A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)
A026 certification of material conformance

A041 quality management system A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/27/18 11:08 AM dart.lavoie.chantal



P.O. 18475

ISO 9001 : 2008 CERTIFICATE No. 03 100 011022

ADM. OFFICE: 504, SUKH SAGAR, N. S. PATKAR MARG, MUMBAI 46J 007, INDIA

Grade

Tel.: 91-22-66290600. Fax.: 91-22-66290633/34

Website: www.chandansteel.net Email: cst@chandansteel.net

I/c. No.:

I/c. Date:

WORKS:PLOT NO. 31 TO 36, 45,46,48, & 49/2,142

(EXP. AREA)GIDC, UMBERERGAON & SURVEY NO. 102/2 & 3,VILLAGE ,

DEHARI, TALUKA: UMBERGAON, DIST: VALSAD, GUJARAT -396171

GSTIN - 24AAACC4713B1ZG

F824 QC 09A / 02 / 10.12.2012

MILL TEST /INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204: 2005

Test Certificate No. : EXP/01209 - 09/2017-2018

Date of Issue : 24.01.2018

P. O. No. : BN5943

SC_No. & Date : 17-18/00448, Dt.18.11.2017

Invoice No. & Date : EXP/01209/2017-18 Dt.24.01.2018

Dengace Paulo

| LENG | TH | Net Wt. |
|-----------|-----------|-----------|
| Ordered | Actual | 3573 Lbs. |
| 12' - 14' | 12' - 14' | 3373 EDS. |
| | Ordered | VIII. |

| Heat N | No. | | ISI | mm/ | inches | Toler | ance | | Process | | |
|--------------------|-------|----------------------|------|----------|----------------------|-----------|----------|--------|----------------------------|----|---------------|
| CH-73 | 367 | (3: | 161. | | 1 ¹⁶ | h | 9 | Ele | ctric Melting, Continuo | | ning, |
| | | | | CHE | EMICAL CO | OMPOSITI | ON (Weig | (ht %) | | | |
| | С | Si | Mn | P | s | Cr | Мо | Ni | Cu | Ti | N |
| Min. | - | - | - | - | - | 16.00 | 2.00 | 10.00 | - | | - |
| Max. | 0.030 | 1.00 | 2.00 | 0.045 | 0,030 | 18.00 | 3.00 | 14.00 | - | - | - |
| Results | 0.024 | 0.38 | 1.52 | 0.041 | 0.013 | 16.90 | 2.02 | 10.07 | - | - | |
| | 1 | | | <u>'</u> | MECHAN | NICAL PRO | PERTIES | | | | |
| Specified Value | | ield Strei m²/MPa | | | Strength MPa (Rm) | Elong | | | on of Area % | | rdness HB) |
| Min. | | 170 | | 4 | 185 | 3 | 0 | | 40 | | - |
| | - | | | | | | | | | | |

42

Results Remarks:

Max.

Cold drawn & Centreless Ground.

2. Solution annealed at 1050 °C.

64

- 3. PMI test done 100% & found Satisfactory.
- 4. Material is free from radio-active contamination.

392

- Inter-Granular Corrosion Test as per ASTM A262 15 (Pr.E) satisfactory.
- 6. The material hardness is in Accordance with NACE MR 0175/ISO 15156-1:2015 and NACE MR 0103-2007.

688

- 7. The material conforms to ASTM A276 15/A182-15/A479-15 Specifications.
- 8. Location of sample Off Centre, Direction Longitudinal, Test Temp Room Temp., Shape of Test Piece Round.
- 9. Marking details Company Logo, Size, Grade & Heat No.
- 10. The material is manufactured/melt in Chandan Steel Mill and is of Indian Origin.
- 11. No welding/weld repairs was performed on this material.

BUNDLE NO.:

14 & 15

Q.A.F.

211-214

REV. B SHEET 10F 1 AJS 08.03.03 09.07,15 DART AEROSPACE LTD
HAWMESBURY, ONTARIO, CANADA
DRAWING NO.
M304R COPYRIGHT © 2406 BY DART AEROSPACE LTD
PRESSAFINE (1996) THE ANY MARKOS OF COPIES OF COMMENCE TO THE COPIES OF COMMENCE OF COM CP 304/316 ROUND BAR B REFORMAT DWG, ADD SPECS (ZN D6-1), REF PAR 08-020A CHECKED
MFG. APPR.
APPROVED
DE APPR.
DE APPR.
DATE 09.07.15 A NEW ISSUE DESIGN REV.

PURCHASE MATERIAL: AISI 304(316) SS ROUND BAR (NOTE: ARG 303 NOT ACCEPTABLE)
SPECIFICATION: ASTM A276

M304R D.DDD

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M304R0.750

(B)

PART NUMBER:

0

SPECIFICATION CONTROL DRAWING

0

| MATERIAL: M3/6 | R1 | 000 | | | | | PO / BATCH | 1 NO.: | 040 | 663/509981 |
|--|------|-----------|-------------|--------|-----------|-------|------------|-----------|------|-----------------|
| DATE: 18/08 | | | | | | | | - | | |
| MATERIAL CERT REC'D: 45 QUANTITY RECEIVED: 67' | | | | | TH | ICKI | NESS ORDE | IVED: 1,0 | as 4 | |
| QUANTITY INSPECTED: 67 | | | | | SH | EET | SIZE ORDE | ERED: | | |
| QUANTITY REJECTED: | - | | | | SH | EET | SIZE RECE | IVED: | | |
| | NO | CR | | | | | | | | |
| DESCRIPTION | (Ch | eck N) | | | | | COMMEN | ITS | | |
| SURFACE DAMAGE | Y | (N) | | | | | | | | |
| CORRECT FINISH | (Y) | N | | | | | | | | |
| CORROSION | Y | (N) | | | | | | | | |
| CORRECT GRAIN DIRECTION | Y | M | | | | | | | | |
| CORRECT MATERIAL PER M-DRAWING | (A) | N | ASTA | 1 1 | 1276 | | | | | |
| CORRECT THICKNESS | (Y) | N | | | | | | | | |
| PHOTO REQUIRED | Y | (N) | | | | | | | | |
| CORRECT REF # TO LINK CERT | X | Ň | M:C | Ha" | 7367 | | | | | |
| CORRECT MATERIAL IDENTFICATION | (Y) | N | | | | | | | | |
| CORRECT M# ON THE MATERIAL | Y | N | | | | | | | | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Υ | (3) | | | I | | | | | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | (17) | | | | | | | | |
| OUT CAMPLE DIEC | - 05 | . 8407 | TEDIAL A | NO F | DEFO | DM | A LIADDNI | TOP CLIE | NZ. | |
| CUT SAMPLE PIECE | | | ORD RES | | | | A HARDIN | ESS CHEC | 'n. | |
| | | _ | HRC | | HRB | 700 | DUR A | DUR | | WEBSTER |
| TYPE OF MATERIAL | | | HIC | | HIND | + | DUNA | DON | | WEBSIER |
| TYPE OF MATERIAL SIZE OF TEST SAMPLE | | | | _ | | + | | + | | |
| HARDNESS / DUROMETER READI | NC | | | _ | | + | | + | | |
| HARDNESS / DUROMETER READI | | | located in | 45-0 | umlifu. O | EFF | | | | |
| QC 18 INSPECTION | | .51075 | Todated III | 1710 4 | danty O | ,,,,, | | BING SIG | NOE | E (if required) |
| | | | | | | | LINGINEE | INING SIG | NOF | F (if required) |
| INSPECTED BY: | | | | | sı | GNI | ED OFF BY | ': | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE:



PO 16200

150 9001 2008 CERTIFICATE No. 03.100 011022

ADM, OFFICE: 304 SUKH SAUAR, N. N. PATKAR NARG, SIUNBAF 400 000, INDIA

Tel.: 91-22-66290600. Fax.: 91-22-66290633/34

Website : ivviv.chandansteel.net Email : csl@chandansteel.net

Heat No.

1711164

I/c. No.3

L/c. Date:

WORKS:PLOT NO. 31 TO 36 45/46/48, & 49/2,142

(EXP. AREA)GIDC, UMBERERGAON & SURVEY NO. 102/2 & 3, VILLAGE,

DEHARI, TALUKA: UMBERGAON, DIST: VALSAD, GUJARAT -396171

GSTIN-24AAACC471381ZG

F824 QC 09A / 02 / 10.12.2012

MILL TEST/INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204: 2005

Test Certificate No.

: EXP/01152 - 06/2017-2018

Date of Issue

: 03.01.2018

P. O. No.

: MN5942

SC_No. & Date

Invoice No. & Date

: 17-18/00447, Dt.08.11.2017 : EXP/01152/2017-18 Dt.03.01.2018

| | PRODUCT DES | CRIPTION | LEN | attr | 1461 1417 |
|---|----------------|-------------------|-------------|-------------------------------|--------------------------------|
| S | TAINLESS STEEL | ROUND BARS | Ordered | Actual | 2965 Lbs |
| | | | 12' - 14' | 12'-14' | . 2505 LDS |
| | Grade AISI | Size mm/inches | Tolerance - | | Route |
| 5 | 304L | 3/8" | h9 | Electric Melting, Continuo | A.O.D. Refining, us Casting |

| | | | | CHI | MICAL CO | MPOSITI | ON (Weig | ght %) | | | d' |
|---------|-------|------|------|-------|----------|---------|----------|--------|----|----|----|
| | 'c | Sî | Mn | P | s | Cr | Mo | Ni | Cu | Ti | Ň |
| Min, | - | - | - | - | • | 18.00 | - | 8.00 | - | - | - |
| Max. | 0.030 | 1.00 | 2.00 | 0.045 | 0.030 | 20.00 | | 12.00 | * | - | - |
| Results | 0.028 | 0.37 | 1.57 | 0.039 | 0.016 | 18.55 | • | 8.04 | - | - | |

MECHANICAL PROPERTIES

| Specified Value | Yield Strength N/mm²/MPa (Rp0.2) | Tensile Strength N/mm²/MPa (Rm) | Elongation % | Reduction of Area % | Hardness (HB) |
|--------------------|----------------------------------|---------------------------------|--------------|---------------------|------------------|
| Min. | 310 | 620 | 30 | 40 | |
| Max. | • | - | | de | |
| Results | 615 | 788 | 36 | 65 | 239-242 |

Remarks:

1. Cold drawn & Centreless Ground,

2. Solution annealed at 1050 °C.

- 3. PMI test done 100% & found Satisfactory.
- 4. Material is free from radio-active contamination.
- 5. Inter-Granular Corrosion Test as per ASTM A262 15 (Pr.E) satisfactory.
- 6. The material conforms to ASTM A276 15/A182-15/A479-15 & ASME SA479-13 Specifications.
- 7. Location of sample Centre, Direction Longitudinal, Test Temp Room Temp., Shape of Test Piece Round.
- 8. Marking details Company Logo, Size, Grade & Heat No.
- 9. The material is manufactured/melt in Chandan Steel Mill and is of Indian Origin.
- 10. No welding/weld repairs was performed on this material.

BUNDLE NO.:

21 & 22

B. S. RAUTELA

MANAGER - QUALITY ASSURANCE

It is hereby certified that the above results are true and correct in every details and are meeting the requirements of specification & purchase order.

Page 6 of 26

REV. B SHEET 1 OF 1 08 03 03 DATE CP 09 07 15 DART AEROSPACE ITD
HAWKESBURY, ONTARIO CANADA
DRAWING NO 304/316 ROUND BAR COPPRIENT STORY ARROSPACE LTD AJS B REFORMAT DWG, ADD SPECS (ZN D6-1). M304R MFG. APPR.
APPROVED
DE APPR.
DATE 09.07.15 CHECKED DESIGN

PURCHASE MATERIAL: AISI(304/316 SS ROUND BAR (NOTE-AISI 303 NOT ACCEPTABLE)

SPECIFICATION: PART NUMBER:

MSOUR DIDDD ASTM A276

WHERE "D.DDD" = DIAMETER IN INCHES EG. 0.75" ROUND BAR = M304R0.750

(8)

Ω

SPECIFICATION CONTROL DRAWING

| MATERIAL: | 20,375 67 | | 1 | PO / BATCH I | NO.: <u>POHOGI</u> | 3/5044811 |
|--|-----------------------|--------------|---------------------------------|---------------|--------------------|-----------|
| MATERIAL CERT REC'D: | | | THICK | (NESS ORDER | RED: 0.37 | 5 " |
| QUANTITY RECEIVED: 53 | | | | (NESS RECEIV | | 4.1 |
| | | | | | | |
| QUANTITY INSPECTED: 53' | | | | T SIZE ORDER | | |
| QUANTITY REJECTED: | | | SHEE | T SIZE RECEI\ | /ED: | |
| DESCRIPTION | NCR (Check Y/N) | | | COMMENT | S | |
| OUDEAGE DANA OF | Y W | | | | | |
| SURFACE DAMAGE CORRECT FINISH | (Y) N | | 1 | *** | | |
| CORROSION | YN | | | - | | |
| CORRECT GRAIN DIRECTION | NW | | | | | |
| CORRECT MATERIAL PER M-DRAWING | MN | 151M | A276 | . | | |
| CORRECT THICKNESS | YN | PILIT | | | | |
| PHOTO REQUIRED | YN | | | | | |
| CORRECT REF # TO LINK CERT | Ø N | H1: 17 | 11164 | | | |
| CORRECT MATERIAL IDENTFICATION | (Y) N | | | | | |
| CORRECT M# ON THE MATERIAL | N | | | | | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | YN | | | | | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | YR | | | | | |
| CUT SAMPLE PIECE | | | ND PREFORM ULTS BELOW HRB | | SS CHECK. | WEBSTER |
| TYPE OF MATERIAL | | 1110 | 1110 | DONA | DOND | VVLDOTEIX |
| SIZE OF TEST SAMPLE | | | | | | |
| HARDNESS / DUROMETER READ! | NG - | | | | | |
| TIANDINEOU / DONOMICI EN NEADI | | s located in | the Quality Offic | <u>e</u> | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

INSPECTED BY: ______ SIGNED OFF BY: _____

DATE:

| - |
|----|
| in |
| m |
| ш |
| _ |
| _ |
| |
| |
| 2 |
| |

| INII TO | S795 CERT CODE: | DIENUMBER | DATE OF SHIPMENT | |
|---------------|----------------------|-----------------|------------------|------------------------------|
| | 0 | S 4660 | Oct/19/2017 | 210182 - 9 379633 |
| SHIP TO | 1982 CUSTOMER PO | ALLOY TEMPER | TEMPER SALESMAN | |
| | C74902 | 6061 / T6511X | HOUSE ACCOUNTS | MADE IN CANADA |
| SODESCRIPTION | CUSTOMER PART NUMBER | PARPDESCRIPTION | | CERTIFICATION |
| 2.5 x 1.5 FB | V836661 | /2.5 x 1.5 FB | | ASTM B221-14 - AMS QQA 200/8 |

| Mechanical Proper | al Pro | perties | | | | | | | | | | | | | | | | | | |
|----------------------|-----------|---------|------|-------|------|-------------------|-------------|------|------------------|------|----------------|--------|----|---------|-----------|-----------------|----|----|--------------|-------|
| Tot | | Alloy | | | | Test Date | Date | H | Jitimate Tensile | | Yield Strength | rength | | Percent | | iness mall E | | 3 | Conductivity | |
| A.11 | | 6061 | 4 | 1.099 | S | 0 4/ 1 | Oct/13/2017 | ก็ | , and the same | | • | 38.40 | | 12.80 | | 89.0,89.2,89.5 | ın | | | |
| Chemical Composition | Comp | osition | | | | | | | | | | | | | | | | | | |
| Cast Number | to Pos | Allox | is i | 21 | đ | Mn | Ma | 占 | Z | 72 | Ħ | ම | >i | 7Z 8 | <u>60</u> | 읪 | S | ঠো | S A | Other |
| /(3B6350) | A.11 | 6061 | 9.0 | 0.15 | 0.21 | 0.04 | 0.87 | 0.07 | 0 | 0.01 | 0.02 | 0 | 0 | 0 0 | 0 | 0 | 0 | 0 | 0 Remainder | 0 |
| 1 | | | | | | | | | | | | | | | | | | | | |

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

Tulsiram Mohabir Quality Control Manager

1 - CUSTOMER COPY

Ü

C

RELEASED 2009 - 05- 03

| E. 100 500 500 | REMOVE OG-A-250/11 OPTION REFORMAT NOTES. ADD ASTN B21//B221 (ZN D7-1) | 20 | 09 07 13 |
|----------------|---|-------------------|------------------------|
| NEW ISSUE | | DS | 01 06 08 |
| REV | DESCRIPTION | 87 | DATE |
| DESIGN DS | S DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | CELI | ٥٤ |
| HECKED 2 | S DRAWING NO. | | REV. B |
| MFG. APPR. | M6061T6B | | SHEET 1 OF 1 |
| APPROVED MY | TILE | The second second | SCALE |
| DE APPR. | 6061-T6 BAR | | NTS |
| DATE 09.07.13 | COPYRIGHT # 2001 BY DART AEROSPACE LTD PREDCLEDIT WHEN IT ADOCUMENT AND SEWAND ON THE SYMPTOTIC OFFICE PRICE TO | ROSPACE | LPD covertor MATITA |

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

WHERE "T.TT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES M6061T6B T.TTT X WW.WWW THICK

WIDTH

PART NUMBER:

QO-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR-ASTM B22T)

PURCHASE MATERIAL: 6061-76/1651/T6510/T65110/T62 ALUMINUM BAR

(B)

SPECIFICATION;

Ω

SPECIFICATION CONTROL DRAWING

| MATERIAL: Model | | 31.50 | ox2.500 | | PO / BATCH N | 10:: <u>Codol</u> | 13/5019812 |
|---|-----------|-----------------|----------------|-----------|--|-------------------|------------|
| MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED: | | | | TH Sh | HICKNESS ORDER HICKNESS RECEIV HEET SIZE ORDER HEET SIZE RECEIV | ED: (.5) | |
| DESCRIPTION | , | CR eck N) | | | COMMENTS | 6 | |
| SURFACE DAMAGE | Y | (N) | | | | | |
| CORRECT FINISH | (8) | A | | | | | |
| CORROSION | X | N | | | | | |
| CORRECT GRAIN DIRECTION | (X) | N | | | | | |
| CORRECT MATERIAL PER M-DRAWING | Y | N | ASTM B | 771 | | | |
| CORRECT THICKNESS | (A) | N | | | | | |
| PHOTO REQUIRED | Υ | N | | | | _ | |
| CORRECT REF # TO LINK CERT | 8 | Ν | W1:3B63 | 50 | | | |
| CORRECT MATERIAL IDENTFICATION | M | N | | | | | |
| CORRECT M# ON THE MATERIAL | (Y) | N | | | | | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Υ | N | | 1 | | | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | N | | | | | |
| CUT SAMPLE PIECE | | | TERIAL AND | | | S CHECK. | |
| | | | HRC | HRB | DURA | DUR D | WEBSTER |
| TYPE OF MATERIAL | | | | TIND | DONA | שואטע | WEBSIER |
| SIZE OF TEST SAMPLE | | - | | | | ····· | |
| HARDNESS / DUROMETER READ! | NG | | | | | | - |
| TANDINESS / DONONIE TEN NEADI | | otors | located in the | Quality (| Office | | |
| | <u>te</u> | 31613 | rocated in the | anancy C | | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY:

DATE:

QC 18 INSPECTION

INSPECTED BY:

DATE:

vimetco MILL TEST CERTIFIED SRAC-IQNot No: 1726 CERTIFICATE airo alam 160 9001/2015 No.10/valid 2020 Date: 1/23/2018 SLATINA

CUSTOMER

: OLBERT METAL SALES LIMITED

CONTRACT/ORDER : 2224 BILL OF DELIVERY : 80348517 TRUCK/CONTAINER : MSCU 5764780

MATERIAL

: ALUMINIUM PLATES

ALLOY

6081

LOT/DIMENSIONS (mm): 70190093

1.25"THX48,5"WDX144,5"LT

TEMPER: T851

ACCORDING TO

ASTM B209; AMS 4027N; ANSI H35.2: ASME SB209; AMS-QQ-A-250/11

| ACTUAL | MECH | ANICAL | PROP | ERTIE | 3 | 1 MPa | = 1 N/mr | n2 = 0. | 145 ksi | = 0.102 | kgf/m | m2 |
|------------------------|------|--------|------|----------|---------|--------|--------------|---------|--------------|----------|-------------|-------------|
| | | | 4 | l lbs = | 0.4536 | kg | UTS | | YTS KSI | 1 | Elon 50r | - |
| | | | | | | | min. n | ex. | min. | max. | (T | ln. |
| | | | | Specific | ed valu | 168: | 42 | | 35 | | | 8 |
| LOT / B | ATCH | C | ASE | NETV | VEIGHT | ibs | | Meas | ured va | lues: | | |
| 70190093 \$37116567 | CHEN | 591437 | | 8, | 783.224 | 4 | 46.9 46.2 | | 40.4 39.4 | | | 1.5 |
| BATCH | SI | Fe | Cu | Mn | Mg | Cr | NI | Zn | TI | Ga | ٧ | Al |
| S37116567 | 0.61 | 0,39 | 0.28 | 0.1 | 0.99 | 0.18 | 0.009 | 0.12 | 0.021 | 0.011 | 0.018 | REM. REM |
| Min. | 0.4 | | 0.15 | | 0.8 | 0.04 | | | | | | REM |
| Max. | 8.0 | 0.7 | 0.4 | 0.15 | 1.2 | 0.35 | 0.05 | 0.25 | 0.15 | 0.05 | 0.05 | |
| Max. | 8: | -1 | | | L | Other- | Each- Max. | : 0.05 | Others | Total- M | ax.: 0 | 15 |

REMARKS:

ACCORDING TO: ASTM B209:2014; AMS 4027N:2008; ANSI H35.2:2013; ASME SB209:2015; AMS-QQ-A-250/11:1997
We hereby certify that the material detailed hereon has been produced and tested according to the requirements of the relevant standards, specification and/or order. Keep in dry conditions, without targe temperatures variations. The differences between metal and air must not exceed 11 °C. Please follow th recommendations of the Atuminium Association Guide for minimizing water staining, latest odifion, for the unloading and storage of the material in your premises before usage. Also we cartify that ALRO products complies with REACH legislation no. 1997/2008 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals and CLP legislation no. 1272/2008 on classification, Isbeling and packaging of subtances and mixtures.

According to

EN 10204:2004

QUALITY CONTROL DEPT.

Marius Olteanu, Eng.

SC ALRO SA SLATINA

Punct de lucru Blatina

Str. Milcov Nr. 1, Jud. Ott

Serv. Inspecția Calității

23004B-Slating-ROMANIA

ALRO S.A. No.118, Pitesti Street Phone: +(40) 0249 435 117; 0249 432 956 siro@airo.ro Pex: (40) 0249 411 487; 0249 415 992

cod 11/PO-051/Rev.4/2012

۵ STIS REV. C SHEET 1 OF 1 17 12:13 09.07.13 01.06.08 DS DART AEROSPACE LTD
ML HAWKESBURY, ONTARIO, CANADA
NO M6061T6S SHEET 10F
HS TITLE
CP \$\sqrt{0}\$ 6061-T6 SHEET/PLATE SPEC NT DATE COPYRIGHT & 2001 BY DART AEROSPACE LTD ME ŝ 8 REFORMAT DWG, ADD 5209 SPEC (ZN D8-1). REF PAR 08-020A ADD PLATE AND 1651 SPEC 17.12.13 NEW ISSUE DRAWN CHECKED MFG. APPR. APPROVED DE APPR. DESIGN 600 3 APPROVED SPECIFICATION CONTROL DRAWING 2018 MAR 13 40 Ec. 18-65 4 WHERE ",XXX" = THICKNESS (IN INCHES) AND "W,WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE) EG. 0.063" THICK SHEET = M6061T6S.063 EG. 3.5" WIDE BY 0.500" THICK PLATE = M6061T6S.500X3.500 'n PURCHASE MATERIAL: 6061, 16.763, 1651 ALUMINUM SHEET OR PLATE 00-A-250/11 OR AMS-00-A-250/11 OR AMS-4026 OR 4027 OF ASTM B209 XXX BY 4FT BY 8FT FOR SHEET M6061T6S XXX X W.WWW THK WIDTH PREFERRED SIZE: SPECIFICATION: PART NUMBER: **(**) 0 **(**) 0

O

0

| MATERIAL: MGG DATE: 18/08/ | | | | | PO / BATCH N | 10.: <u>6089</u> | 10613/5/01 |
|--|------|-----------------|-----------------|-----------------|--|------------------|------------|
| MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED: | | | | THICKN SHEET | NESS ORDER NESS RECEIV SIZE ORDER SIZE RECEIV | ED: <u>/_2</u> | 50" |
| DESCRIPTION | (Ch | CR eck N) | | | COMMENTS | S | |
| SURFACE DAMAGE | Y. | N) | | | | | · |
| CORRECT FINISH | (Y) | N | | | | | |
| CORROSION | Y | (N) | | | | | |
| CORRECT GRAIN DIRECTION | (8) | Ν | | | | | |
| CORRECT MATERIAL PER M-DRAWING | 9 | Z | ASTM BOO' | | | | |
| CORRECT THICKNESS | 8 | N | | | | | |
| PHOTO REQUIRED | Y | N | | | | | |
| CORRECT REF # TO LINK CERT | 8 | N | MT: 7019009 | 3 5 | 37116567 | | |
| CORRECT MATERIAL IDENTFICATION | - | N | | | | | |
| CORRECT M# ON THE MATERIAL | O | N | | | | | |
| DOES THIS MATERIAL REQUIRE | ,, | | | | | | |
| ENGINEERING SIGN OFF | Υ | (4) | | | | | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | N | | | | | |
| CUT SAMPLE PIEC | E OF | MA | FERIAL AND PRFF | ORM | A HARDNES | S CHECK | |
| 55, 5, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, | | | ORD RESULTS BE | | | | |
| | | | HRC HRB | | DUR A | DUR D | WEBSTER |
| TYPE OF MATERIAL | | | | | | | |
| SIZE OF TEST SAMPLE | | | | | | | |
| HARDNESS / DUROMETER READI | NG | | | | | | |

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if requi | ired) |
|------------------|----------|-------------------------------|-------|
| INSPECTED BY: | AT | SIGNED OFF BY: | |
| DATE: | 18/08/16 | DATE: | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

FO. 18477

02720100 8/1/8#

Service Center Metals

Prince George, VA 23875

Gan Do.

5850 Quality Way

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

DATE OF SHIPMENT

DIE NUMBER

MANIFEST NUMBER

950630 OUR ORDER NUMBER

O

CERTIFICATION

ASTIM-B221-14 StencilCont

SPECIFICATION

Quantity Certified

1,154 lbs

ALREC00219 5400400638 CUSTOMER PART NUMBER CUSTOMER PO

5061-T6511 MRB0936 ALLOY/TEMPER

MQRB 2,000x4,500

D.Schroeder (Canada) SALESPERSON

5/23/2018

RoHS 2011/65/EU Compliant

8 pcs

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the captured and certified as cited and that samples representative of the material met the composition limits and the mechanical properties shown. Items produced and certified as 6051-76511 also meet the requirements of 6061-76. All aluminum products supplied by Service Center Metals. LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products supplied by Service Center Metals have not, to the best of our knowledge, confected any source of mercury.

SCM is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant

| | Yield Strength | | min max | 45.70 45.70 |
|--|-----------------------|---------|---------|-------------|
| | Offimate lensile | | max | 49.40 |
| | Offinate | | -E | 49.40 |
| the second to th | Test Date | | | 5/17/18 |
| | | | | |
| 2011 13 130 300 1-20 13 cel milen | Mechanical Properties | Lot No. | | 201809057 |
| 0 0 000 | Mechanical | Tests | | fine |

16.00 Max

16.00

45.70

E.

Elongation Percent

| | Melt Source: | United States of America | United States of America |
|--|--------------|--------------------------|---|
| o'. | ach Total | 0.13 | 0, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, |
| Ç | <u>Each</u> | 0.05 | 0.05 |
| | A | 97.37 | 97.39 |
| | Land Land | 0.03 | 0.03 |
| | Zu | 0.09 | 0.10 |
| | 히 | 0.00 | 0.09 |
| | Ma | 0.88 | 0.87 |
| | Mn | 0.10 | 0.10 |
| y 6061 | 3 | 0.32 | 0.31 |
| m Allo | œ L | 0.36 | 0.37 |
| luminu | ळ। | 0.76 | 0.74 0.37 |
| n for A | Alloy | 6061 | 6061 |
| Chemical Composition for Aluminum Alloy 6061 | Lot No. | 201809057 6061 | 201809057 6061 |
| Chemical | Cast# | 05071802 | 05131801 |

SCM products are melted and extruded in the USA

Calvin J. Wiggins, Director of Quality & Technical Services

Ed 22 DE 25 cc.

Rev 3/14/2018

Print Date: 5/23/2018

DELEASEN 2008-03-03

REV. B SCALE SHEET 1 OF 1 CP 09 07 13 01 06 08 DART AEROSPACE LTD COPYRICHT © 2001 BY DART AEROSPACE, LTD
The DOCIMENT STRINK IT ALCOMPATENT AND ACC. SERVED OF "A CHING OF CHING OF THE ACT."
THE THE STRINK AND ACC. CHING OF THE ACC. SERVED OF THE ACC HAWKESBURY, ONTARIO, CANADA DRAWING NO. M6061T6B SHI 50 B REMOVE GOA-25011 OPTION REFORMAT NOTES, ADD
A MEW ISSUE
REV - 6061-T6 BAR 09.07.13 APPROVED DE APPR DATE DQ MFG. APPR. CHECKED DESIGN

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6087-T6/T651/T6510(T6511) 82 ALUMINUM BAR

SPECIFICATION:

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM BZ2T)

(a)

PART NUMBER:

M6061T6B T TTT X WW WWW WIDTH THICK WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WMW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

| MATERIAL: MCOG DATE: (1/08/ | 176 | 62.0 | 20×04,500 | | | PO / BATCH I | NO.: 10040 | 63/52481 |
|---------------------------------------|-----|------------|--------------|----------|-----------|--------------|---|-----------|
| MATERIAL CERT REC'D: Yes | | | | | | (NESS ORDER | | |
| QUANTITY RECEIVED: 11 | | | | | THICK | NESS RECEIV | /ED: 2 .000 | ч |
| QUANTITY INSPECTED: 11 | | | | | SHEE | T SIZE ORDER | RED: | |
| QUANTITY REJECTED: | | | | | | SIZE RECEIV | | |
| DESCRIPTION | | CR neck | | | | COMMENT | <u> </u> | |
| DESCRIPTION | ' | N) | | | | COMMENT | 5 | |
| SURFACE DAMAGE | | (N) | | | | | * | |
| CORRECT FINISH | 8 | N | | | | | | |
| CORROSION | Y | N | | | | | | |
| CORRECT GRAIN DIRECTION | Y | N | | | | | | |
| CORRECT MATERIAL PER M-DRAWING | N | N | ASTM | 1221 | | | | |
| CORRECT THICKNESS | N | N | | | | | | |
| PHOTO REQUIRED | Y | N | | | | | | |
| CORRECT REF # TO LINK CERT | N | N | U1:00 | 507180 | 2 | 05131801 | | |
| CORRECT MATERIAL IDENTFICATION | (Y) | N | | | | | | |
| CORRECT M# ON THE MATERIAL | V | N | | | | | | |
| DOES THIS MATERIAL REQUIRE | | | | | | | | |
| ENGINEERING SIGN OFF | Y | N | | | | | | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | (N) | | | | | | |
| CUT SAMPLE PIECE | | | TERIAL AN | | | | SS CHECK. | |
| | | | HRC | HR | | DUR A | DUR D | WEBSTER |
| TYPE OF MATERIAL | | | | 117 | ++ | 50.(7. | 2011 | VVLDOTLIN |
| SIZE OF TEST SAMPLE | | | - | | | | - | |
| HARDNESS / DUROMETER READI | NG | | | | | | | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | stere | located in t | he Quali | ty Office | , | | 1 |
| | - | | | | | | | |

| QC 18 INSPECTION | ENGINEERING SIGNOFF (if required) |
|------------------|-----------------------------------|
| INSPECTED BY: | SIGNED OFF BY: |
| DATE: 18/08/01 | DATE: |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



NUEVA INCAL, S. aceros calibrados

Golkolberra, 24 - Apartedo 13 48300 GERNIKA - BIZKATA Spain Teléfonos (34) 94 626 17 12 - 18 Fox (34) 94 625 46 26



CERTIFICADO DE CALIDAD

Destinatario: Material:

LES ACIERS TRANSBEC

COLD ROLL SAR 1018. ACCORDING TO ASTM A108

CERTIFICAMOS: Que el material suministrado con cargo a los pedidos de

referencia y amparado por nuestro albaran N° EX/4.514 y Frs. N° A/21.800 corresponden a los análisis y fusiones siguientes de acuerdo con la norma EN 10204 / 2.2:

| | | Compos | ición Química de | e la cola | de | | | | Carnet | mecánica | laminado |
|---------------|---------------|-----------|------------------|-----------|----------|------|---------|-------|-------------|-------------|----------|
| S/.Pedidos Nº | MATERIAL | CALIDAD | COLADA | C. % | Ma. % | SI. | S. %. | P. % | Re N/mm2 | Rm N/mm2 | A % |
| MN-45448 | 2 X 1/4 | | 580842 | 0,16 | 0,72 | 0,17 | 0,023 | 0,014 | 330,00 | 500,00 | 30,00 |
| MN-45448 | 2-1/2 X 2 | | 160691 | 0,17 | 0.79 | 0.17 | 0,004 | 0,016 | 582,00 | 608,00 | 18,00 |
| MN-45448 | 6 X 1/2 | | 161361 | 0,18 | 0,73 | 0,23 | 0,006 | 0,017 | 558,00 | 586,00 | 13,00 |
| MN-45448 | 6 X I | . ' | 161366 | 0,17 | 0,74 | 0,17 | 0,005 | 0,016 | 356,00 | 583,00 | 15,00 |
| MN-45448 | 8 X 3/4 | | 150394 | 0,18 | 0,68 | 0,21 | 0,003 | 0,016 | 549,00 | 575,00 | 10,00 |
| OU-46535 | 2-1/2 X 3/8 · | FCK 38212 | 152915 | 0,16 | 0.72 | 0,20 | 0.004 | 0,015 | 703,00 | 722,00 | 15,00 |
| OU-46535 | 3 X 2 | GR23 | 161604 | 0,16 | -0,78 | 0,17 | 0,003 | 0,020 | 570,00 | 598,00 | 16,00 |
| OU-46535 | 6XI | FIRICO | 154369 | 0,16 | 0,78 | 0,13 | 0,007 | 0,018 | 573,00 | 601,00 | 15,00 |
| I'AJ-46638 | 6 X I | | 161366 | 0,17 | 0,74 | 0,17 | 0,005 | 0,016 | 556,00 | 583,00 | 15,00 |
| PAR-46164 | 6 X 3/8 | 14.5 | 160520 | 0,15 | 0,71 | 0,18 | 0,006 | 0,017 | 555.00 | 580,00 | 8,00 |
| PAR-46186 | 2-1/2 X 2 | | 160691 | 0,17 | 0.79 | 0,17 | 0,004 | 0,016 | 582,00 | 608,00 | 18,00 |
| PAR-46186 | . 6.X.1/2 | | 161361 | 0,18 | 0,73 | 0,23 | . 0,006 | 0,017 | 558,00 | 586,00 | .13,00 |
| PAR-46464 | 1 X 1/2 | | 578592 | 0,15 | 0,76 | 0,18 | 0.030 | 0,015 | 325,00 | 500,00 | 33,00 |
| PAR-46495 | 2 X 1/4 | | 580842 | 0,16 | 0,72 | 0,17 | 0,023 | 0.014 | 330,00 | 500,00 | 30,00 |
| PAR-46495 | 5 X 1/2 | | 161261 | 0,18 | 0,74 | 0,17 | 0,006 | 0,018 | 561,00 | 589,00 | 13,00 |

Gernika, 29 de Noviembre de 2.016 Responsable de Calidad





cantil de Viscaya, Torno 2,248, Libro 1 671. Sección 3.º, Folso 131. Hoje 16.471

1 2012 -08-21

REV B CP 12 09 05 DS 01 06 12 BY DATE NTS SHEET 1 OF 1 DARI AEROSPACE LID
HAWKESBURY, ONTARIO CANADA
DRAWING NO
M1018-R
SHEE 1018-1025 ROUND BAR COPRIGHT STATE OF THE PROPERTY OF THE PROP B REFORMAT, ADD ASTM A 108, ADD TOLERANGES CHECKED 9.1 MFG APPR. APPROVED MDE APPR. DATE 12.09.05 DS do NEW ISSUE DESIGN DRAWN

0

PURCHASE MATERIAL AIS/1018 1025 ROUND BAR

SPECIFICATION CONTROL DRAWING

SPECIFICATION. PART NUMBER

M1018-R D.DDD WHERE D DDD = DIAMETER IN INCHES DIA. MIL-S-7097 OF ASTM A108

EG. 7/8" ROUND BAR = M1018-R0 875

PER ASTM A108 AS FOLLOWS:

TOLERANCES.

TOLERANCE +0 000/-0 002 +0 000/-0 003 +0 000/-0 005 +0 000/-0 005 SIZE UP TO 1.5" INCL. OVER 1.5" TO 2.5" INCL. OVER 4.5" TO 8.0" INCL. OVER 4.0" TO 8.0" INCL. OVER 6.0" TO 8.0" INCL.

| MATERIAL: <u>M1018</u> DATE: <u>18/08</u> | | 75X | 2.500 | | PO | / BATCH | NO.: <u>Poot</u> | 0613/50198 |
|--|-----|------------------|---------------|-----------|---------|----------------------|--------------------------------|------------|
| MATERIAL CERT REC'D: Ves QUANTITY RECEIVED: 12.66 QUANTITY INSPECTED: 12.66 QUANTITY REJECTED: 17.66 | | | | T | HICKNES | SS RECEI ZE ORDEI | RED: 0.37 VED: 0.37 RED: | |
| DESCRIPTION | (Ch | CR eck (N) | | | C | OMMEN ⁻ | ΓS | |
| SURFACE DAMAGE | Υ | /N | | | | | | |
| CORRECT FINISH | Y | N | | | | | | |
| CORROSION | Υ | N | | | | | | |
| CORRECT GRAIN DIRECTION | Y | N | A | | | | | |
| CORRECT MATERIAL PER M-DRAWING | Y | N | A511 | 14/08 | 3 | | | |
| CORRECT THICKNESS | A | Ŋ | | | | | | |
| PHOTO REQUIRED | Υ | N | | | | | | |
| CORRECT REF # TO LINK CERT | Y | N | MT: 13 | 2915 | | | | |
| CORRECT MATERIAL IDENTFICATION | 1 | N | | | | | | |
| CORRECT M# ON THE MATERIAL | Y | N | | | | | | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Υ | N | | | | | | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | M | | | | | | |
| CUT SAMPLE PIECE | | RECO | ORD RESU | LTS BEI | LOW | | | |
| TYPE OF MATERIAL | | | HRC | HRB | | UR A | DUR D | WEBSTER |
| TYPE OF MATERIAL | | | | | | | | |
| SIZE OF TEST SAMPLE | | | | | | _ | - | |
| HARDNESS / DUROMETER READI | | | | | | | | |
| | te | esters | located in th | e Quality | Office | | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ENGINEERING SIGNOFF (if required)

DATE:

SIGNED OFF BY:

QC 18 INSPECTION

INSPECTED BY:

DATE: 18/08/16



INSPECTION

CERTIFICATE

MEMBER FAST STATE OF THE CONTROL OF SERVICE STATE OF THE CONTROL OF SERVICE OF SERVICE OF THE CONTROL OF THE CO MALESTIP LIMES, COMP

2017/11/20 SUPLY CONDITION: CD DATE OF 1881B: M : 01 21

MDER HO. : 106090007/268468 SPECIFICATION: 303 CUSTOMER : TA CERS INTERNALIZABLE, INC., COSCOURT: Stainlage Stead Chief Beam Bound Starfth CENTIFICATE NO: A1711280842

PL.17165006 DINGLE NO 至 8 2 22 Rechanical Property **a** • 33 ले 🕶 RR TS TS New N **88** 555 x100 x100 x10000 322 DOC 16.1 22 Chemical Composition(w15) == 178 178 188 C Si Ma P S Ni Cr KICO A100 A100 A1000 A100 A100 5000 228.4 927 229.4 803 000 35 S 193 23 125, 5.6 27 184 123, 5.9 24 193 (881) Cinch Re 88 14. Total Heat To Spec

NUMBRACE : MASS ASSISTANCE COMMAN. A. Commander Commande

action centificate is issued eccenting to MF 18204 2.3 This tang

Improved enchantery. Solution annealed treatmentihon, to Affin A484. Malted mentechned :Talman Mark:

1. We hareby certify that meterial described herein has been semminations and tested with satisfactory results in, accordance with regular

of the above antarial opecification. 2.We centify that the enterial is free from mercury mid sedietion contemination. Qualification

3.The Above Stating Results Delate Coly to the Items Sested. No. of Palves Atomic Essayy Completes: 136

1.150701/2015 Quality Manager 2.150/000 (1/05/2005 Laboratory 3.750 & Allicator-Managhae Wi

4.CNV • LR • A1S Chaidfealen Schiey earlifed 5.EO1400/2004 Earliemant Mangament Sydney 6.GERAS 1800/2007 & TOERING Chaidean

CHRISCAL-ASTR MISOS, PAIR, MISSE, MISIS

S 2010-02-02

PURCHASE MATERIAL: AIS(303)SS ROUND BAR (NOTE: AIS) 304/316 NOT ACCEPTABLE)

SPECIFICATION CONTROL DRAWING

SPECIFICATION: ASTM A562
PART NUMBER: M303RID.DDD

(a)

۵

M303RID.DDD

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M303R0.750

| MATERIAL: M 3,38 DATE: (8/08/1 | 07 | 150 | - | - | | PO / BATCH | NO.: <u>/</u> | 20106 | 613/5099815 |
|--|-----------|------------|------------|-------------|----------|-------------------------------|---------------|-------|-----------------|
| MATERIAL CERT REC'D: 45 QUANTITY RECEIVED: 36.25 | | | | | rHICK | (NESS ORDEF | /ED: 0 | 75 | |
| QUANTITY INSPECTED: 36.25' QUANTITY REJECTED: | | | | • | | T SIZE ORDEF T SIZE RECEI\ | | | |
| DESCRIPTION | | CR neck | | | | COMMENT | 'S | | |
| | Y/ | N) | | | | | | | |
| SURFACE DAMAGE | Y | W. | | | 1 | | | | |
| CORRECT FINISH | CX | N | | | | | | | |
| CORROSION | Y | | | | | | | | |
| CORRECT GRAIN DIRECTION | 8 | N | 1 | | | | | | |
| CORRECT MATERIAL PER M-DRAWING | W | N | ASIM | 1 A58 | <u> </u> | | | | |
| CORRECT THICKNESS | 8 | N | | | | | | | |
| PHOTO REQUIRED | Y | 0 | 11+ | A- : | | | | | |
| CORRECT REF # TO LINK CERT | 8 | N | MT: | 55049 | | | | | |
| CORRECT MATERIAL IDENTFICATION | | N | | | | | | | |
| CORRECT M# ON THE MATERIAL | (X) | N | | | | | | | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Υ | 0 | | | | | | | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Υ | (2) | | | | | | | |
| | | | | | | | | | |
| CUT SAMPLE PIECE | | | | ND PREF | | | SS CHE | CK. | |
| | | | HRC | HRB | 1 | DUR A | DUR | D | WEBSTER |
| TYPE OF MATERIAL | | | | | 1 | | | | |
| SIZE OF TEST SAMPLE | | | | | | | | | |
| HARDNESS / DUROMETER READI | NG | | | | | | | | |
| | <u>te</u> | esters | located in | the Quality | Office | 2 | | | |
| QC 18 INSPECTION | | | | | | ENGINEER | ING SIG | NOF | F (if required) |
| INSPECTED BY: | | | | | SIGN | ED OFF BY: | | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE:

DATE:

8819

North American Stainless Canada Inc. 740 Imperial Road North Guelph, ON NIK1Z3 Canada

855-1363

METALLURGICAL TEST REPORT

51434

6870 Highway 42 East Ghent, KY 41045-9615 (502) 347-6000

17336

Certificate: 371391 11

007080 003

Custoners

Your Order: MN6001

Heat Treat Code: 44,554 MAS Order: IN 0257533 09

Steel: 303 Pinish: CD

Page: 1

1/15/2018

Dates

Corrosion

Red Ratios 69.4 REMARKS

> Nound Ber, Appealed, Cold Draw UNB 30300, AFTH A582/12 EN 10204 3.1, AFTH A484/16 ANS 5640V TYPE 1, QQB-764B CONDITION A SOLUTION ANNEAL TERM 1900F MIN, ASIN F899/125 DESCRIPTION PRODUCT

IN USA FREE FROM NERCURY AND LOW MELFING ALLOY COSTANTION 2011/65/EU.RONG. EAF+AOD+CC. NO WELD REPAIR. MELITED AND MIG COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 NU DIRECTIVE

| Product Id | Skid # Dismeter | Size | Weight | Length Mark Pieces Commodity Code | Mark | Pieces | Commodity Code | |
|------------|-----------------|------|--------|-----------------------------------|------|--------|----------------|--|
| BJ1762 6 | 1.0000 | | 1,073 | 144.00 | 11 | 1 | | |

Lab Accreditation Bureau, ISO/IRC 17025, Certificates 12323 Chemical Analysis per ASTM A751/14a ES(Spain) US(United States) ZA(South Africa) JP(Japan) CM(Country of Melt) ANALYSIS CHEMICAL

| MAS Heat | ð | S C | \$ 00 | CR & | \$ PD | 20 MIN St | 360 % | * 12 | NI % | St. | |
|----------|----|--------|---------|-------|-------|-----------|-------|------|-----------|------|--|
| 620м | 20 | .026 | 60. 9 | 17.11 | .31 | 1.92 | .268 | .036 | .036 8.53 | .031 | |
| | | 8 8 | \$ IS . | | | | | | | | |
| | | .3350 | 50 .37 | | | | | | | | |

PROPERTIES MECHANICAL

| Product Id | 400 400 | MS. | . 2YS | TER | * | Elng % 4D | |
|------------|------------|-------|-------|--------|-------|--------------|---|
| BJ1762 6 | 2 2 | 224.0 | 80.28 | 106.52 | 34.99 | 25.11 | |
| | | | | | | | 1 |
| | | | | | | | |
| | | | | | | | |

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr.

KRIS LARK

1/15/2018

1 2010 -02-02

| CD 2 | REF PA | REFORMAT DWG, ADI | REFORMAT DWG, ADD SPECS (2N 08-1), REF PAR 08-020A | CP | 10.01.05 |
|-------------|-----------|--|--|---------------------------------------|-------------------|
| A | NEW ISSUE | SUE | in special Physical Control of the C | 208 | 01.12.20 |
| REV. | | And the second state of the second se | DESCRIPTION | BY | DATE |
| DESIGN | 7 | 8 | DART AFROSPACE ITD | CEL | 2 |
| DRAWN | 7 | ap | HAWKESBURY, ONTARIO, CANADA | O. CANAC | A 6 |
| CHECKED | ED | - | DRAWING NO. | Andrews Comments | REV. B |
| MFG. APPR. | PPR. | B | M303R | | SHEET 1 OF 1 |
| APPROVED | VED | Just | TILE | | SCALE |
| DE APPR | 2 | + | 303 ROUND BAR | | NTS |
| DATE | 10.0 | 10.01.05 | COPYRIGHT 2204 BY DART AEROSPACE LTD THE OCCURRY SERVICE AND SERVICE REPRESENTED THE OTHER OTHER THE OFFICE AND SERVICE AS OFFICE OFFICE AND SERVICE AND SERVICE AND SERVICE AS OFFICE AND SERVICE AS OFFICE AND SERVICE AS | AEROSPACE LTD MILOW THE EXPRESS CONCE | LTD SOMEWARDER |

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AIST 303.3S. ROUND BAR (NOTE: AIST 304/316 NOT ACCEPTABLE)

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ASTM A582 M303RID.DDD

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M303R0.750

SPECIFICATION: PART NUMBER:

| MATERIAL: <u>M30</u> DATE: <u>(8/08/</u> | | | | PO / BATCH | NO.: <u>60040</u> | 613/509981 |
|--|-----------------------|----------------|-----------------|--|-------------------|------------------|
| MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED: | | | THIC SHE | CKNESS ORDE CKNESS RECEI ET SIZE ORDE ET SIZE RECEI | VED: (600 | 41 |
| DESCRIPTION | NCR (Check Y/N) | | | COMMEN. | ΓS | |
| SURFACE DAMAGE | YN | | | | | |
| CORRECT FINISH | (V) N | - | | | | |
| CORROSION | YN | - | | | | |
| CORRECT GRAIN DIRECTION | Ø N | | | | | |
| CORRECT MATERIAL PER M-DRAWING | N | AM | A 582 | | | |
| CORRECT THICKNESS | (Y) N | 1500 | 1 300 | | | |
| PHOTO REQUIRED | YN | - | | | | |
| CORRECT REF # TO LINK CERT | N (A) | MT:60 | 5.44 | | , | |
| CORRECT MATERIAL IDENTFICATION | 10 | Pl 6 60 | Ma | | | |
| CORRECT M# ON THE MATERIAL | (Y) N | | 1 | | | |
| | U IV | | | | | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | YN | | | | | |
| DOES THIS REQUIRE AN | | | | | | |
| EXTRUSION REPORT | YN | | | | | |
| EXTROGRANCE | | | | | | |
| CUT SAMPLE PIEC | | | ID PREFOR | | SS CHECK. | |
| * | 1 | HRC | HRB | DUR A | DUR D | WEBSTER |
| TYPE OF MATERIAL | | 11110 | 1110 | BOILY | DOILD | WEBSTER |
| SIZE OF TEST SAMPLE | | | | | | - |
| HARDNESS / DUROMETER READI | NG - | | | | | - |
| THE REPORT OF THE PERSON OF TH | | located in the | ne Quality Offi | CO | | |
| QC 18 INSPECTION | | | | ENGINEER | RING SIGNOR | FF (if required) |
| INSPECTED BY: | | | SIG | NED OFF BY: | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE: